

### **Patent Claims**

1. Method for the production of a paste for the manufacture of a polyester from solid and liquid raw materials and, where applicable, from additives, characterised in that the closed-loop control of the charging rate of the solid raw material occurs based on the deviation of the density of the prepared paste from a setpoint value.
2. Method according to Claim 1, whereby the setting of the molar ratio occurs without the application of a weighing machine for the solid raw material.
3. Method according to Claim 1 or 2, whereby the density of the paste is used as the reference variable for the closed-loop control of the molar ratio.
4. Method according to Claims 1-3, whereby both the mass flow and also the density of the liquid raw material are measured on-line.
5. Method according to Claims 1-4, whereby a maximum of 20%, preferably a maximum of 10%, of the total amount of the liquid raw material is added after the paste preparation container and before the paste density measurement.
6. Method according to Claims 1-5, whereby the charging of the liquid raw materials and additives occurs by measurement of their mass flows.
7. Method according to Claims 1-6, whereby the closed-loop control of the liquid raw material (b-b1) occurs by measurement of the filling level of the paste preparation container.
8. Method according to one of the previous claims, whereby the determination of the consumption of the solid raw material occurs without the application of a weighing machine.